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Mazdoor Kisan Shakti Sangathan

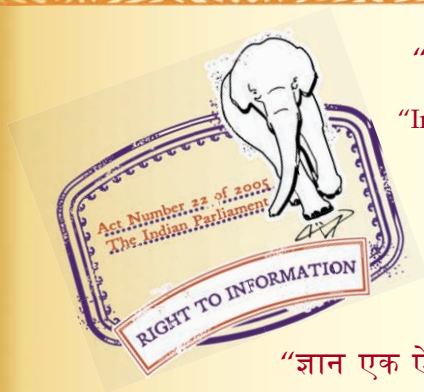
“The Right to Information, The Right to Live”

“पुराने को छोड़ नये के तरफ”

Jawaharlal Nehru

“Step Out From the Old to the New”

IS 8614 (1993): Milling Arbors with Self-release 7/24 Taper
[PGD 32: Cutting tools]



“ज्ञान से एक नये भारत का निर्माण”

Satyanarayan Gangaram Pitroda

“Invent a New India Using Knowledge”



“ज्ञान एक ऐसा खजाना है जो कभी चुराया नहीं जा सकता है”

Bhartrhari—Nitiśatakam

“Knowledge is such a treasure which cannot be stolen”

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IS 8614 : 1993

(Reaffirmed 1998)

भारतीय मानक

स्वतः विमोचन 7/24 टेपर वाले मिलिंग आर्बर

(पहला पुनरीक्षण)

Indian Standard

MILLING ARBORS WITH SELF-RELEASE
7/24 TAPER — SPECIFICATION

(*First Revision*)

UDC 621.1.914 : 621.9-229-22 : 621.9-434.5

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BUREAU OF INDIAN STANDARDS
MANAK BHAVAN, 9 BAHADUR SHAH ZAFAR MARG
NEW DELHI 110002

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Price Group 2

FOREWORD

This Indian Standard was adopted by the Bureau of Indian Standards, after the draft finalized by the Milling Cutters, Saws, Gear Cutting Tools and Broaches Sectional Committee had been approved by the Production Engineering Division Council.

This standard was first published in 1977. In this revision various dimensions have been brought in line with the practices followed at international level and in the industry. Dimensions for pilot and boss of the arbor have been deleted in this revision.

The committee responsible for the formulation of this standard is given at Annex A.

In the preparation of this standard considerable assistance has been derived from ISO 839/1-1976 'Milling machines arbors with 7/24 tapers : Part 1 Dimensions', issued by the International Organization for Standardization (ISO).

*Indian Standard***MILLING ARBORS WITH SELF-RELEASE
7/24 TAPER — SPECIFICATION***(First Revision)***1 SCOPE**

This standard covers the dimensions and general requirements for milling arbors with self-release 7/24 tapers.

2 REFERENCES

The following Indian Standards are necessary adjuncts to this standard:

<i>IS No.</i>	<i>Title</i>
4218 (Part 5) : 1979	ISO metric screw threads: Part 5 Tolerances
6285 : 1971	Dimensions for interchangeability of milling cutters and milling arbors with key drive
8611 : 1988	Technical supply conditions for milling arbors and accessories (<i>first revision</i>)

3 DIMENSIONS

3.1 The diameters which have been adopted in this standard are those most commonly used, and correspond to the values given in IS 6285 : 1971.

3.2 The shoulder, whether parallel or tapered, between the flange of diameter D_1 and the parallel portion of diameter d is optional. With or without the shoulder, however, the diameter of the flange locating face shall not in any case be less than D_2 .

3.3 Dimensions shall be as given in Table 1.

4 GENERAL REQUIREMENTS

4.1 The tolerance for screw threads d_1 shall be 6 g according to IS 4218 (Part 5) : 1979.

4.2 Material, geometrical accuracies and other requirements not covered in this standard shall be according to IS 8611 : 1988.

5 TEST

Testing shall be carried out according to IS 8611 : 1988.

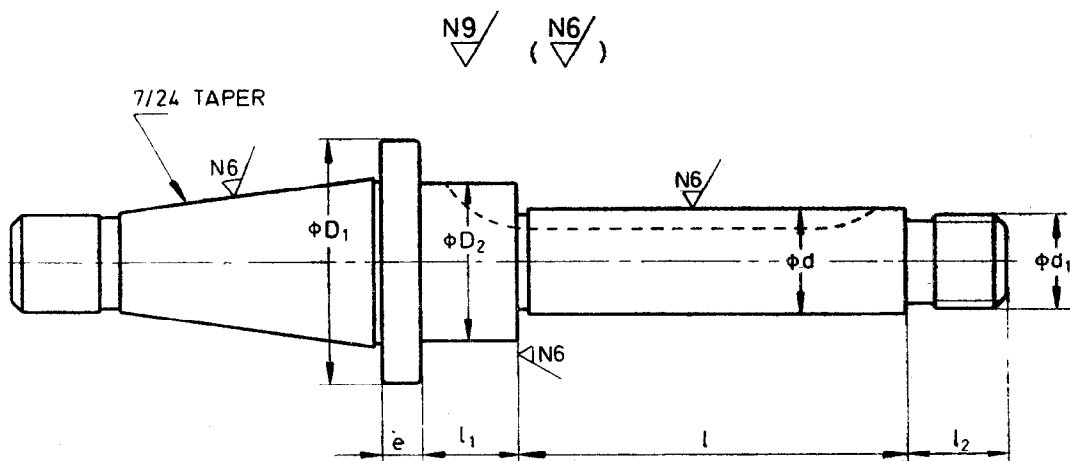
6 DESIGNATION

An arbor with self-release 7/24 taper 30 having arbor diameter $d = 22$ mm and arbor length $l = 250$ mm conforming to this standard shall be designated as:

Arbor 7/24 Taper IS 8614 30 $\times$ 22 $\times$ 250

Table 1 Dimensions for Milling Arbors with Self-Release 7/24 Taper
(Clause 3.3)

All dimensions in millimetres.



7/24 Taper No.	D ₁	e	l ₁	D ₂ Min	d h6	Length l								d ₁	l ₂	
						200	250	315	400	500	630	800	1000			
30	50	8	20	27	16	X	X	X							M16x1.5	16
				34	22	X	X	X	X						M20x2	22
				41	27	X	X	X	X						M24x2	28
40	63	10	25	27	16	X	X	X	X						M16x1.5	16
				34	22	X	X	X	X	X					M20x2	22
				41	27		X	X	X	X	X				M24x2	28
				47	32		X	X	X	X	X				M27x2	32
				55	40			X	X	X	X				M33x2	40
50	100	12	30	34	22	X	X	X	X	X	X				M20x2	22
				41	27			X	X	X	X	X			M24x2	28
				47	32			X	X	X	X	X	X		M27x2	32
				55	40				X	X	X	X	X	X	M33x2	40
				69	50				X	X	X	X	X	X	M39x3	46
				84	60				X	X	X	X	X	X	M45x3	56
60	160	16	40	69	50					X	X	X		M39x3	46	
				84	60					X	X	X		M45x3	56	
				109	80						X	X		M56x4	63	
				134	100						X	X		M68x4	70	

ANNEX A

(Foreword)

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BUREAU OF INDIAN STANDARDS

Headquarters:

Manak Bhavan, 9 Bahadur Shah Zafar Marg, New Delhi 110002
Telephones : 331 01 31, 331 13 75

Telegrams : Manaksanstha
(Common to all offices)

Regional Offices :

Telephone

Central : Manak Bhavan, 9 Bahadur Shah Zafar Marg
NEW DELHI 110002

{ 331 01 31
 331 13 75

Eastern : 1/14 C. I. T. Scheme VII M, V. I. P. Road, Maniktola
CALCUTTA 700054

{ 37 84 99, 37 85 61
 37 86 26, 37 86 62

Northern : SCO 445-446, Sector 35-C, CHANDIGARH 160036

{ 53 38 43, 53 16 40
 53 23 84

Southern : C. I. T. Campus, IV Cross Road, MADRAS 600113

{ 235 02 16, 235 04 42
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